



Josera.
we care, you grow

Josilac® combi

Biological silage inoculant

The all-rounder with a wide range of applications:
maize silage, whole crop silage, and green forage with a high dry matter content

SYMBIOSIS EFFECT

Premix with biological silage inoculants

Product features:

- **Smart combination** of different homofermentative and heterofermentative bacteria strains
- **Wide application range** (DM 28 - 45 %)
- **DLG-tested** (1c, 2 grass)
- **SYMBIOSIS**-Effect
  a combination of turbo and safety effects when both actions are required

Advantages of Josilac® combi:

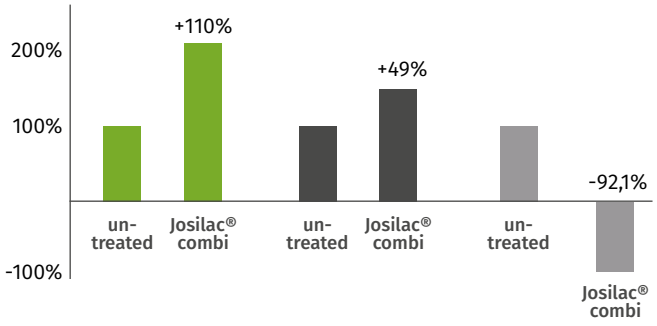
Dual protection against undesirable fermentation and reheating

Reduced fermentation losses by preserving energy-rich dry matter

Balanced production of acetic acid

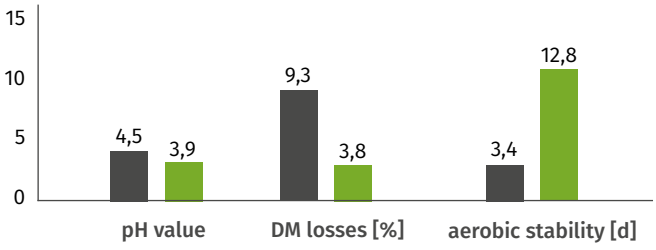
Supports **high forage** intake through fresh, hygienically stable silage

Fermentation acid ratio grass silage 1st step



Lactic acid [%] Acetic acid [%] Butyric acid [%]

Fermentation acid ratio grass silage 1st step



untreated Josilac® combi

Protection against undesirable fermentation:

Optimised fermentation process due to the formation of **larger amounts of lactic and acetic acid,** as well as greatly **reduced amounts of butyric acid.**

Protection against reheating:

High aerobic stability combined with a **low pH value and reduced dry matter losses** ensure excellent preservation results.

Josilac® combi

Premix with biological silage inoculants

Main application area					
Grass	Clover grass	Legumes	Whole-crop silage	Silage maize	ULV
●●●	●	●	●●●	●●●	✔

Composition:

homofermentative and heterofermentative lactic acid bacteria

Innoculation density:

300,000 CFU lactic acid bacteria / g ensiled material

Dosage:

3 g **Josilac® combi** per t of ensiled material,
the 150 g envolope is sufficient for 50 t of ensiled material,
the 600 g envolope is sufficient for 200 t of ensiled material.

Direction for use:

Josilac® combi is dissolved in at least 0.5 l of non-chlorinated water with vigorous stirring or shaking (use at least 2 l of water for the 600 g pack). It is then diluted with 0.2 to 2.0 l/t of silage material (alternatively ULV 25-100 ml) and evenly applied to the harvested crop (dosing equipment is available in our product range). The degree of dilution depends on the harvesting method, harvest volume per hour, and nozzle output.
For micro-dosing, **Josilac® combi** is applied in liquid form at 50-100 ml/t of silage material.
Recommended water temperature: 18-30 °C
The prepared application solution is ready for immediate use and should be consumed within 48 hours.
Recommended dry matter range: 28-45% DM.

Note: The silo should remain sealed for at least 6-8 weeks.

**You have questions about Josilac® combi?
Then feel free to contact us!**



Envolope sizes:

150 g / 600 g

Storage and minimum shelf-life in closed original packaging:

24 months from production date (see imprint) if stored in a cool and dry place.
Protect from light and sun light.
Optimal storage conditions are in the refrigerator or freezer.

Mode of action:

The homofermentative lactic acid bacteria initially stimulate intensive lactic acid fermentation. As a result, the pH value drops rapidly and the formation of butyric acid is suppressed. In the further course of fermentation, the heterofermentative bacteria strains *(Lactobacillus buchneri)* produce a balanced amount of acetic acid, which on the one hand keeps the silage stable for longer (aerobic stability) after exposure to air, but on the other hand does not negatively affect its palatability.

Compliance with good agricultural practice is a prerequisite for the successful use of the silage inoculant.

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Josilac®
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